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P96LF

No. 247.—Tenth Edition.

LIST OF
BULLETINS AND CIRCULARS

ISSUED BY THE

U. S. DEPARTMENT OF AGRICULTURE

AND

AVAILABLE FOR FREE DISTRIBUTION.

CORRECTED TO JANUARY 1, 1904.

United States Department of Agriculture,

DIVISION OF PUBLICATIONS.

WASHINGTON, D. C., *January 1, 1904.*

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GEO. WM. HILL,
Editor and Chief.

BULLETINS AND CIRCULARS FOR FREE DISTRIBUTION.

FARMERS' BULLETINS.

No. 16.—Leguminous Plants for Green Manuring and for Feeding.
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No. 21.—Barnyard Manure. Pp. 32, figs. 7.

CONTENTS: Manure as a farm resource—Amount, value, and composition of manures produced by different animals—Influence of age and kind of animal, of quality and quantity of food, of the nature and proportion of litter—Management and use of manure—Lasting or cumulative effect of barnyard manure.

No. 22, revised.—The Feeding of Farm Animals. Pp. 32.

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No. 25.—Peanuts: Culture and uses. Pp. 24, fig. 1.

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No. 27.—Flax for Seed and Fiber in the United States. Pp. 16.

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No. 28, revised.—Weeds: And How to Kill them. Pp. 32, figs. 11.

CONTENTS: General methods of eradicating weeds—List of weeds attracting special attention during 1894—Table of one hundred weeds.

No. 29.—Souring of Milk and Other Changes in Milk Products. Pp. 23.

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No. 32, revised.—Silos and Silage. Pp. 32, figs. 10.

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No. 33.—Peach Growing for Market. Pp. 24, figs. 21.

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No. 38.—Spraying for Fruit Diseases. Pp. 12, figs. 6.

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No. 41.—Fowls: Care and Feeding. Pp. 24, figs. 4.

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No. 45, revised.—Some Insects Injurious to Stored Grain. Pp. 24, figs. 18.

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No. 46.—Irrigation in Humid Climates. Pp. 27, figs. 4.

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No. 47.—Insects Affecting the Cotton Plant. Pp. 32, figs. 18.

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No. 48.—The Manuring of Cotton. Pp. 16.

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No. 51, revised.—Standard Varieties of Chickens. Pp. 48, figs. 42.

Enumerates, describes, and illustrates forty-four varieties of chickens, and recites their respective points of superiority and general utility.

No. 52, revised.—The Sugar Beet. Pp. 48, figs. 24.

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No. 53.—How to Grow Mushrooms. Pp. 20, figs. 14.

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No. 54.—Some Common Birds in Their Relation to Agriculture. Pp. 40, figs. 22.

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No. 56.—Experiment Station Work—I. Pp. 31, figs. 10.

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No. 86.—Thirty Poisonous Plants of the United States. Pp. 32, figs. 24.

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No. 89.—Cowpeas. Pp. 16, fig. 1.

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No. 91.—Potato Diseases and Their Treatment. Pp. 12, figs. 4.

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No. 98.—Suggestions to Southern Farmers. Pp. 48.

Summaries of addresses delivered at an Interstate Farmers' Convention held at Vicksburg, Miss., February 8–10, 1899. They relate to soils, the peculiar advantages of the South for growing forage crops, raising and feeding live stock, cotton seed and its products, and other agricultural matters.

No. 99.—Three Insect Enemies of Shade Trees. Pp. 30, figs. 11.

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No. 106.—Breeds of Dairy Cattle. Pp. 48, figs. 21.

Gives names, numbers, history, descriptions, and illustrations of all the principal breeds of dairy cattle in the United States.

No. 107.—Experiment Station Work—XIII. Pp. 32, figs. 3.

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No. 111.—The Farmer's Interest in Good Seed. Pp. 24, figs. 7.

CONTENTS: Relation between quality of seed and amount to sow per acre—Weed seeds sown on the farm—Low-priced seed may be expensive—Results of some tests—How to secure good seed.

No. 112.—Bread and the Principles of Bread Making. Pp. 39, figs. 3.

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No. 113.—The Apple and How to Grow It. Pp. 32, figs. 10.

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No. 114.—Experiment Station Work—XIV. Pp. 28, figs. 5.

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No. 115.—Hop Culture in California. Pp. 28, figs. 2.

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No. 118.—Grape Growing in the South. Pp. 32, figs. 6.

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- Circular No. 37, revised.—Second Report of the Committee on Methods of Teaching Agriculture. Pp. 4.
- Circular No. 39.—Methods of Teaching Agriculture [third report]. Pp. 7.
- Circular No. 41.—Fourth Report of Committee on Teaching Agriculture. Pp. 7.
- Circular No. 42.—A German Common School with a Garden. Pp. 7, figs. 2.
- Circular No. 43.—Food Nutrients—Food Economy. Pp. 6, diags. 2.

- Circular No. 44, revised.—Agricultural Experiment Stations in the United States. Pp. 11.
- Circular No. 45.—Methods of Teaching Agriculture [fifth report]. Pp. 8.
- Circular No. 46, revised.—The Functions and Uses of Food. Pp. 10.
- Circular No. 47.—The Card Index of Experiment Station Literature. Pp. 2.
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Circular No. 25.—Our Foreign Trade in Agricultural Products, 1902. Pp. 24.

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Circular No. 12.—Southern Pine: Mechanical and Physical Properties. Pp. 12, figs. 4.

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Circular No. 4.—The Renewing of Worn-out Native Prairie Pastures. Pp. 4, figs. 4.

Circular No. 6, revised.—The Cultivated Vetches. Pp. 8, figs. 6.

Circular No. 8.—Experiments in Range Improvement. Pp. 5, fig. 1.

Circular No. 11.—The Flat Pea. Pp. 6, figs. 3.

Circular No. 12.—Rape as a Forage Plant. Pp. 6, fig. 1.

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Circular No. 22.—Grass and Forage-Plant Investigations on the Pacific Coast. Pp. 7.

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- Circular No. 24.—Cowpeas and Corn for Silage and Fodder. Pp. 10, figs. 2.
- Circular No. 25, revised.—Turkestan Alfalfa. Pp. 20.
- Circular No. 26.—Rescue Grass. Pp. 4, fig. 1.
- Circular No. 31.—Bermuda Grass. Pp. 6, figs. 2.
- Circular No. 33.—Range Grass and Forage-Plant Experiments at Highmore, S. Dak. Pp. 5.

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- Circular No. 1.—Hungarian Brome Grass. Pp. 4, fig. 1.
- Circular No. 2.—Nut Grass (*Cyperus rotundus*). Pp. 4, fig. 1.
- Circular No. 5.—Giant Knotweed or Sachaline. Pp. 4, figs. 3.
- Circular No. 6.—Standards of Purity and Vitality of Agricultural Seeds. Pp. 4.
- Circular No. 7.—Tumbling Mustard. Pp. 8, figs. 3.
- Circular No. 8.—Crimson Clover Hair Balls. Pp. 4, figs. 3.
- Circular No. 9, revised.—Wild Garlic. Pp. 8, figs. 3.
- Circular No. 11.—The Vitality of Seed Treated with Carbon Disulphid. Pp. 5.
- Circular No. 12, revised.—The Camphor Tree. Pp. 8, figs. 2.
- Circular No. 14.—Dodders Infesting Clover and Alfalfa. Pp. 7, figs. 2.
- Circular No. 15.—Horse-Radish. Pp. 8.
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- Circular No. 17.—Notes on the Plant Products of the Philippine Islands. Pp. 8.
- Circular No. 19.—Hop Cultivation in Bohemia. Pp. 6.
- Circular No. 20.—Horse-Radish Culture in Bohemia. Pp. 3, figs. 2.
- Circular No. 21.—Yams in the West Indies. Pp. 4, fig. 1.
- Circular No. 22.—The Bur, or Globe, Artichoke. Pp. 6, fig. 1.
- Circular No. 23.—The Lebbek or Siris Tree. Pp. 4, figs. 2.
- Circular No. 24.—Red Clover Seed. Pp. 5, figs. 2.
- Circular No. 25.—The Seed of Beardless Brome Grass. Pp. 5, fig. 1.
- Circular No. 27.—Canada Thistle. Pp. 14, figs. 4.
- Circular No. 28.—Rubber Cultivation for Porto Rico. Pp. 12.
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- Circular No. 30.—List of Publications of the Division of Botany. Pp. 10.

DIVISION OF POMOLOGY.

- Circular No. 1.—Nut Culture. Pp. 4.
- Circular No. 3.—Notes on Peach Culture. Pp. 10, figs. 4.

SECTION OF SEED AND PLANT INTRODUCTION.

Circular No. 2.—The Cultivation of Znaim Cucumbers. Pp. 4.

DIVISION OF VEGETABLE PHYSIOLOGY AND PATHOLOGY.

Circular No. 15.—Treatment for Sooty Mold of the Orange. Pp. 4.

Circular No. 16.—Danger of Introducing a Central American Coffee Disease into Hawaii. Pp. 4.

Circular No. 18.—A New Wheat Industry for the Semiarid West. Pp. 8, figs. 2.

DIVISION OF PUBLICATIONS.

Circular No. 1, revised.—Organization of the Department of Agriculture. Pp. 23.

No. 179.—List of Publications of the Department of Agriculture for Sale by the Superintendent of Documents. Pp. 51. (Revised and corrected to May 1, 1903.)

No. 218.—The Publication Work of the Department of Agriculture as affected by the Law of January 12, 1895. Pp. 4.

No. 247.—List of Farmers' Bulletins and Circulars of Information Available for Distribution. Pp. 28. (Revised and corrected to January 1, 1904.)

Monthly List of Publications.

This list is issued on the last day of each month and contains the titles of all publications issued by the Department of Agriculture during the month. The Monthly List is mailed regularly to all persons who request to have their names enrolled for that purpose.

OFFICE OF ROAD INQUIRY.

Circular No. 15.—An Act to Provide for the Construction of Roads by Local Assessment, County and State Aid. Pp. 3.

Circular No. 18.—Report of Committee on Legislation, Adopted by the State Good Roads Convention held in Richmond, Va., October 10 and 11, 1895. Pp. 6.

Circular No. 19.—Traffic on the Country Roads. Opinions of Representative Men. Pp. 4.

Circular No. 21.—Methods of Constructing Macadamized Roads. Pp. 12.

Extract from a report prepared by the Chief Engineering Inspector of the Local Government Board of Great Britain.

Circular No. 23.—Money Value of Good Roads to Farmers. Pp. 4.

Circular No. 24.—Highway Maintenance and Repairs. Pp. 16.

Highway taxation; comparative results of labor and money systems; contract system of maintaining roads.

Circular No. 26.—Going in Debt for Good Roads. Pp. 6.

Circular No. 27.—Cost of Hauling Farm Products to Market or to Shipping Points in European Countries. Pp. 12.

Circular No. 29.—The Forces which Operate to Destroy Roads, with notes on road stones and problems therewith connected. Pp. 14, pls. 4.

Circular No. 30.—Repairs of Macadam Roads. Pp. 14.

Circular No. 31.—Must the Farmer Pay for Good Roads? Pp. 40, figs. 50.

Circular No. 32.—State Aid to Road Building in Minnesota. Pp. 12, figs. 5.

Circular No. 35.—Road Improvement in New York. Pp. 15.

Circular No. 36.—List of National, State, and Local Road Associations and Kindred Organizations in the United States. Pp. 13.

OFFICE OF THE SECRETARY.

Circular No. 3.—Progress of Southern Agriculture. Pp. 12.

Circular No. 4.—Experiments on Living Animals. Pp. 2.

Circular No. 5.—Civil Service in the Department of Agriculture. Pp. 4.

Circular No. 6.—Number, Status, and Compensation of Employees in the Department of Agriculture. Pp. 4.

Circular No. 7.—Possible Influence of Importation of Hawaiian Sugar on Beet-Sugar Production in the United States. Pp. 4.

Circular No. 8, revised.—Cooperative Grass and Forage Plant Investigations with State Experiment Stations. Pp. 16.

Circular No. 9.—Collection and Distribution of Grass Seed: Field Work. Pp. 11.

Circular No. 10.—Standards of Purity for Food Products. Pp. 13.

BUREAU OF SOILS.

Circular No. 3.—The Soils of the Pecos Valley, New Mexico. Pp. 7.

Circular No. 4.—Soils of Salt Lake Valley, Utah. Pp. 11, fig. 1.

Circular No. 5.—Bulk Fermentation of Connecticut Tobacco. Pp. 10.

Circular No. 8, revised.—Reclamation of Salt Marsh Lands. Pp. 10.

Circular No. 9.—Soil Survey Around Imperial, Cal. Pp. 20, figs. 2.

Circular No. 10.—The Use of Alkaline Waters for Irrigation. Pp. 4.

Circular No. 11.—Reclamation of Alkali Land at Fresno, Cal. Pp. 9.

BUREAU OF STATISTICS.

Circular No. 1.—Acreage, Production, and Value of Principal Farm Crops in the United States, 1866 to 1895, with Other Data as to Cotton and Wool. Pp. 8.

Circular No. 2.—The Wheat Crop of the World for 1895. Pp. 2.

Circular No. 6.—Cereal Crops of 1896. Pp. 12.

Circular No. 8.—The Cotton Crop of 1896-97. Pp. 14.

Circular No. 10.—The Brazos River (Texas) Flood of June-July, 1899, and its Effect on the Agriculture of the Submerged Region. Pp. 8.

Circular No. 11.—The World's Grain Crops of 1899. Pp. 8.

Circular No. 12.—Changes in Railroad Freight Classifications. Pp. 43.

Circular No. 14.—Estimates of Russian Crops. Pp. 10, map.

MISCELLANEOUS CIRCULARS.

Circular No. 1.—The Castor Oil Plant. Pp. 4.

Circular No. 2.—The Mississippi River Flood. Pp. 6, fig. 1.

Circular No. 3.—The Mississippi River Flood [second report]. Pp. 4, fig. 1.

YEARBOOK EXTRACTS.

[Reprinted from the Yearbook for 1894.]

2. Education and Research in Agriculture in the United States. Pp. 35.
7. Mineral Phosphates and Fertilizers. Pp. 16, figs. 2.
10. Hawks and Owls from the Standpoint of the Farmer. Pp. 17, pls. 3, figs. 4.
15. Some Practical Suggestions for the Suppression and Prevention of Bovine Tuberculosis. Pp. 14.
18. Pure Seed Investigations. Pp. 20, figs. 9.
19. The Grain Smuts: Their Cause and Prevention. Pp. 12, figs. 8.
20. Grasses as Sand and Soil Binders. Pp. 16, figs. 11.
21. Sketch of the Relationship Between American and Eastern Asian Fruits. Pp. 6.
25. State Highways in Massachusetts. Pp. 8.
27. Tobacco Soils of Connecticut and Pennsylvania. Pp. 13, figs. 7.
28. Truck Lands of the Atlantic Seaboard. Pp. 15, figs. 3.
29. Conditions in Soils in the Arid Region. Pp. 10, fig. 1.
30. Weather Conditions of the Crop of 1894. Pp. 5, figs. 2.

[Reprinted from the Yearbook for 1895.]

42. Work of the Department of Agriculture as Illustrated at the Atlanta Exposition. Pp. 20, fig. 1, pls. 3.
44. (Part 2.) Butter Substitutes. Pp. 8.
47. Small Fruit Culture for Market. Pp. 12, pl. 1.
50. Pear Blight: Its Cause and Prevention. Pp. 6.
55. Pineapple Industry in the United States. Pp. 14, pl. 1, figs. 6.
59. Four Articles on Grasses. Pp. 42, figs. 14.
 1. Canadian Field Peas.
 2. Grass Gardens.
 3. Forage Conditions of the Prairie Regions.
 4. Grasses of Salt Marshes.

[Reprinted from the Yearbook for 1896.]

60. Timothy in the Prairie Region. Pp. 8, figs. 2.
62. The Country Slaughterhouse as a Factor in the Spread of Disease. Pp. 12.
66. The Blue Jay and Its Food. Pp. 10, figs. 3.
68. Seed Production and Seed Saving. Pp. 10, figs. 8.

69. Superior Value of Large and Heavy Seed. Pp. 18, figs. 10.
 73. The Use of Steam Apparatus for Spraying. Pp. 20, pls. 2, figs. 15.
 74. Insect Control in California. Pp. 20, figs. 2, pl. 1.
 75. Asparagus Beetles. Pp. 12, figs. 6.
 78. Agricultural Research and Education in Belgium. Pp. 10.
 81. Irrigation on the Great Plains. Pp. 30, figs. 9, pls. 2.
 83. Influence of Environment on the Origination of Plant Varieties.
 Pp. 18, figs. 8.
 85. Methods of Propagating the Orange and Other Citrus Fruits.
 Pp. 18, figs. 13.
 87. Pruning and Training Grapevines. Pp. 44, figs. 24.
 88. An Ideal Department of Agriculture and Industries. Pp. 12.
- [Reprinted from the Yearbook for 1897.]
90. Division of Agrostology. Pp. 16.
 91. Lawns and Lawn Making. Pp. 18, pls. 7.
 93. Bureau of Animal Industry. Pp. 23.
 94. Utilization of By-Products of the Dairy. Pp. 20.
 97. Division of Botany. Pp. 10.
 98. Additional Notes on Seed Testing. Pp. 12, figs. 3.
 101. Danger of Importing Insect Pests. Pp. 24, figs. 19.
 102. Office of Experiment Stations. Pp. 9.
 103. Every Farm an Experiment Station. Pp. 14.
 104. Popular Education for the Farmer in the United States. Pp. 12, pl. 1.
 105. The Needs and Requirements of a Control of Feeding Stuffs.
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 106. The Agricultural Outlook of the Coast Region of Alaska. Pp. 24,
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 108. Office of Fiber Investigations. Pp. 12.
 109. Present Status of Flax Culture in the United States. Pp. 16.
 110. Section of Foreign Markets. Pp. 9.
 113. Experimental Gardens and Grounds. Pp. 25.
 114. The Library [of the U. S. Department of Agriculture]. Pp. 4.
 117. The Division of Publications [of the U. S. Department of Agriculture]. Pp. 16.
 118. Office of Road Inquiry. Object-Lesson Roads. Pp. 16, pls. 2,
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 122. Agricultural Production and Prices. Pp. 30.
 124. Hybrids and Their Utilization in Plant Breeding. Pp. 38, figs. 12,
 pls. 4.
 126. Review of Weather and Crop Conditions, Season of 1897. Pp. 21,
 figs. 2.

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- 127. Sand-Binding Grasses. Pp. 18, pls. 3, figs. 11.
- 128. Millets. Pp. 24, pls. 2, figs. 6.
- 129. Forage Plants for Cultivation on Alkali Soils. Pp. 16, figs. 4.
- 130. Cattle Dipping: Experimental and Practical. Pp. 20, figs. 2.
- 131. The Preparation and Use of Tuberculin. Pp. 10, fig. 1.
- 132. The Danger of Introducing Noxious Animals and Birds. Pp. 24, pl. 1, figs. 6.
- 133. Birds as Weed Destroyers. Pp. 12, figs. 7, pl. 1.
- 134. Weeds in Cities and Towns. Pp. 8, figs. 5.
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- 139. Insects Injurious to Beans and Peas. Pp. 28, figs. 17.
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- 144. Work of the Division of Forestry for the Farmer. Pp. 12, pls. 3, figs. 2.
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- 149. Steel-Track Wagon Roads. Pp. 6, pls. 3, fig. 1.
- 150. Construction of Good Country Roads. Pp. 8, pls. 2.
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- 152. The Movement and Retention of Water in Soils. Pp. 6, figs. 8.
- 153. The Soluble Mineral Matter of Soils. Pp. 10.
- 155. Keeping Goats for Profit. Pp. 18, pls. 2.
- 156. Agricultural Statistics. Pp. 51.
- 157. Pollination of Pomaceous Fruits. Pp. 14; figs. 13.
- 159. Improvement of Plants by Selection. Pp. 22, pls. 2, figs. 3.
- 161. Cyclones, Hurricanes, and Tornadoes. Pp. 10.
- 162. The Hawaiian Islands. Pp. 20.

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- 164. Statistical Matter Relating to Principal Crops, Farm Animals, Transportation Rates, etc. Pp. 91.
- 165. Development of Knowledge Concerning Animal Diseases. Pp. 42.
- 166. Administrative Work of the Federal Government in Relation to the Animal Industry. Pp. 24.

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- 258. Statistical Matter Relating to Principal Crops and Farm Animals, Freight Rates, Exports, etc., in the United States, 1901. Pp. 113.
- 259. A Directory for Farmers. Pp. 87.

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- 260. Dairying at Home and Abroad. Pp. 10, pls. 6.
- 261. The San Jose Scale: Its Native Home and Natural Enemy. Pp. 20, figs. 3, pls. 6.
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- 263. Audubon Societies in Relation to the Farmer. Pp. 14, figs. 2, pls. 2.
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